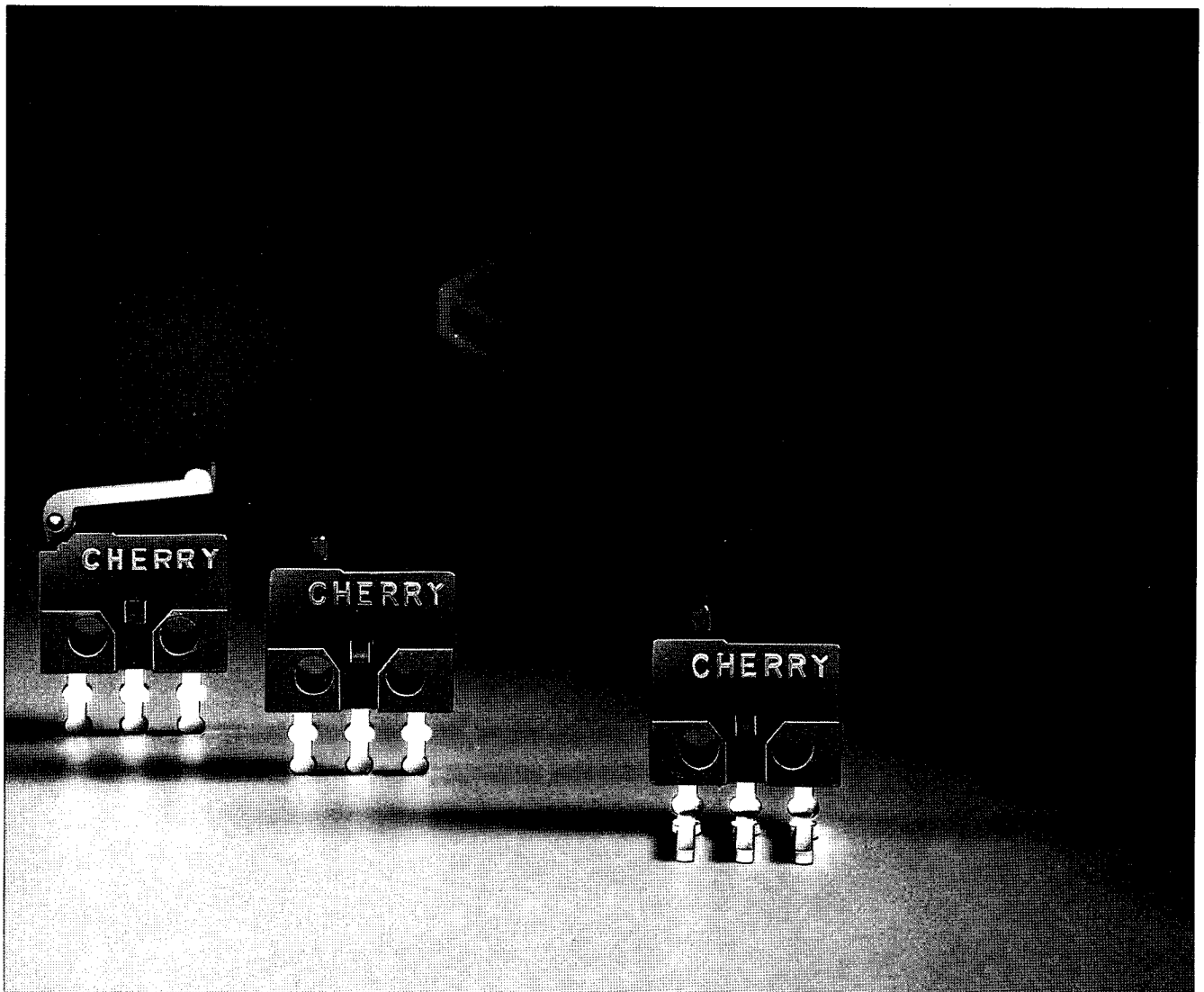
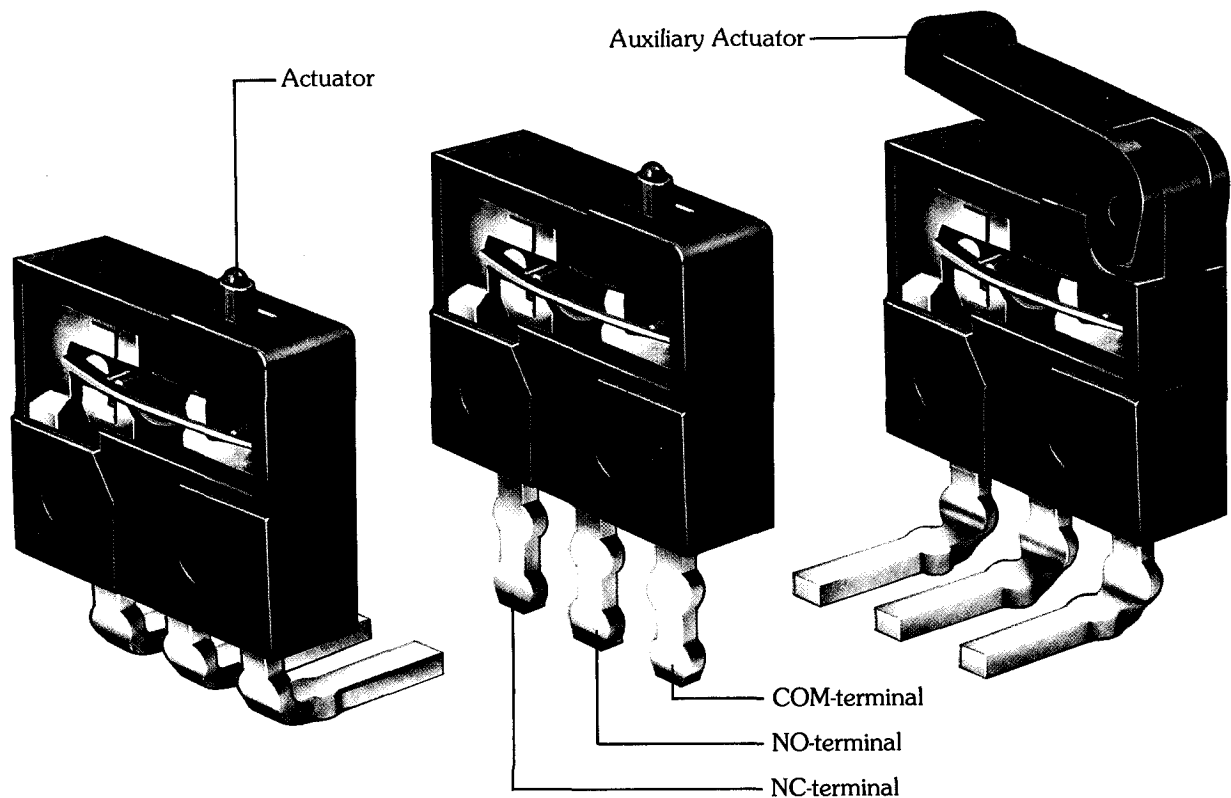


Snap Switch DH.

The ultra-miniature Switch
for low Energy Circuits.





Main Features

- The DH is a result to Cherry's 30 years experience in manufacturing high quality switches.
- An ultra miniature switch for low energy circuits.
- The DH is a product small in size, but with a wide range of applications.
- Its special feature: Minimum size (Length 8.2 mm, width 2.7 mm, height 10.5 mm).
- Can be mounted sideways on PCB.
- Models with or without auxiliary actuators.
- Its precision results in high reliability.
- Cherry can support planning and manufacturing needs with quick delivery and sufficient production capabilities.
- Cherry DH. A new generation Snap Switch.

Technical Data

Materials: - case: PBT (UL 94 VO)
 - button: PBT (UÖ 94 VO)
 - lever: PPO (UL 94 VO)
 - terminals: CuZn silver plated
 - moving blade: CuBe
 - contacts: DH 1 - AgNi
 DH 2 - AgNi gold plated

Operating temperature: -25°C (-13°F) to +70°C (+158°F)
 Humidity: RH 85 % max.
 Vibration: 10 Hz to 55 Hz, 18 g
 Shock: 30 g, 11 msec

Life: - mechanical: min 50.000 cycles (overtravel 100 %, operating frequency: 30 cpm)
 - electrical: min 30.000 cycles (rated load)
 DH 1 - 30 VDC, 500 mA
 DH 2 - 30 VDC, 50 mA
 (operating frequency 10 cpm)

Operating speed: 0,1 mm/sec to 0,5 m/sec
 (without lever actuator)
 Soldering time: max 3 sec
 Soldering temperature: 350°C (+662°F) hand soldering
 Allowable force at end position: - max 250 cN (60 sec)
 button version
 - max 100 cN (60 sec)
 lever version

Electrical Data

Ratings: series DH 1 (silver contacts):
 30 VDC, 50 - 500 mA, resistive load.
 DH 2 (gold plated contacts):
 30 VDC, 5 - 50 mA, resistive load.

Contact resistance: ≤ 50 m Ω.
 Insulation resistance: > 100 M Ω (500 VDC).
 Electrical strength: 500 VAC

Applications

- Small size audio equipment
- Optical equipment
- Small size communication equipment
- Printer

Environmental Parameters

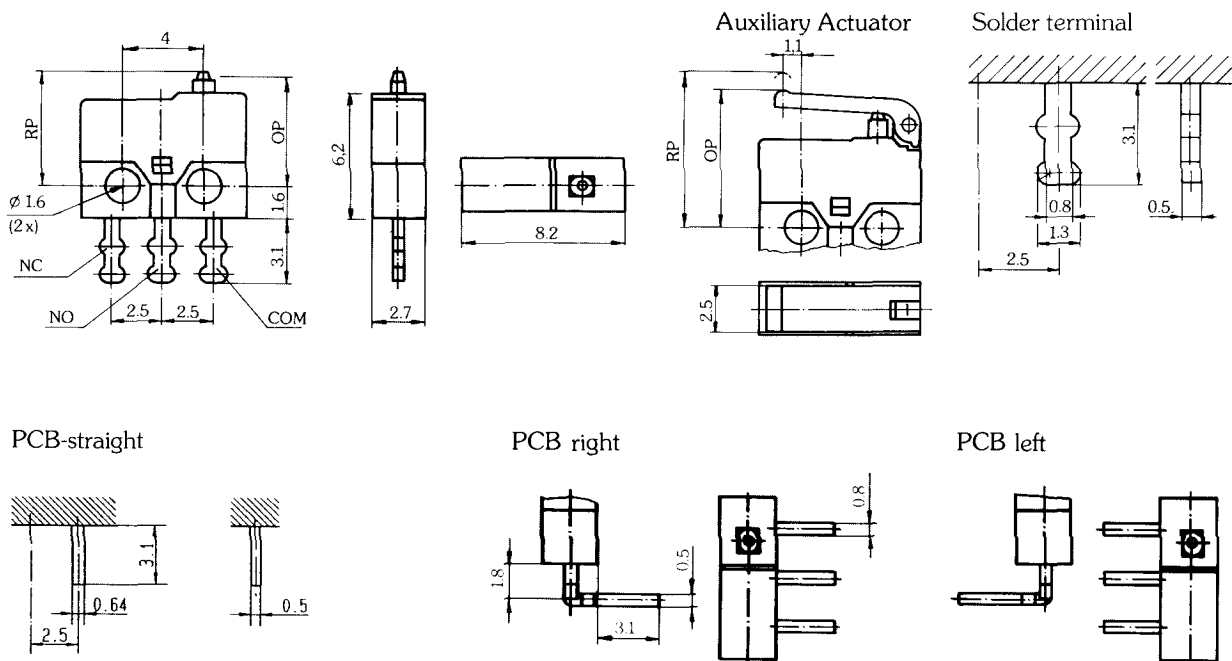
- Minimal packaging, no composite materials used.
- Recycled plastics added to help reduce consumption of natural resources.
- Designed for easy disassembly to enhance recyclability.
- Plastics used are designated to facilitate segregated collection.
- CFC's, chlorinated hydrocarbons and many other environmentally degrading substances are no longer used in manufacture of our final products. We have also concluded agreements to this effect with our suppliers.
- Low-pressure plasma technology used for degreasing of metal parts.

Errors, omissions and technical modifications excepted · Technical specifications provided herein constitute specifications only; they do not guarantee that actual products do possess these characteristics · Exact figures can only be taken from drawings in connection with product specifications.

Ordering Part Numbers

Model	Contact Material	Index system				Operating Characteristics					
		Straight Terminal		PCB		Operating force cN max.	Rest position (mm) max.	Pretravel (mm) max.	Movement differential (mm) max.	Overtravel (mm) min.	Operating point (mm)
		Solder Terminal	PCB Terminal	Right	Left						
without auxiliary actuator	Ag	DH1C-B1AA	DH1C-C4AA	DH1C-B2AA	DH1C-B3AA	90	5.8±0.37	0.35	0.07	0.1	5.6±0.15
	Au	DH2C-B1AA	DH2C-C4AA	DH2C-B2AA	DH2C-B3AA						
with auxiliary actuator	Ag	DH1C-B1PA	DH1C-C4PA	DH1C-B2PA	DH1C-B3PA	50	+0.5 8.0-1.0	1.3	0.6	0.3	6.7±0.5
	Au	DH2C-B1PA	DH2C-C4PA	DH2C-B2PA	DH2C-B3PA						

Dimensions



"RP" = Rest Position
 "OP" = Operating Point